

High Speed and Accurate Base Machine

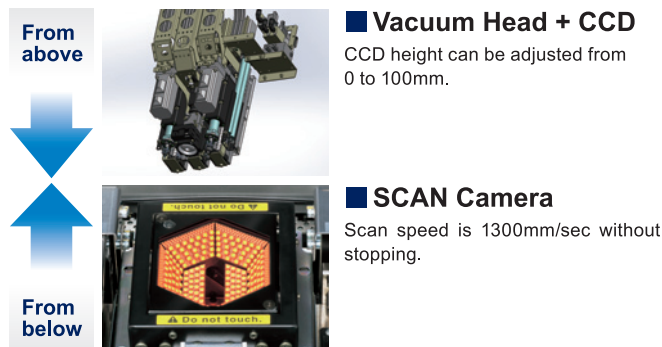
YSC1

YAMAHA SP CELL
 with Mounting Heads and Vision Systems



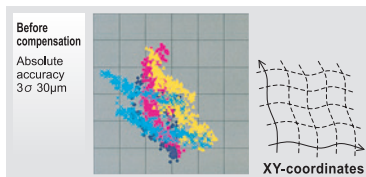
Feature 1 Two Camera Views

The YSC1 comes equipped with a CCD camera attached to the mounting head providing full position recognition of the work piece from above. In addition, a stationary scan camera provides target component recognition from below.



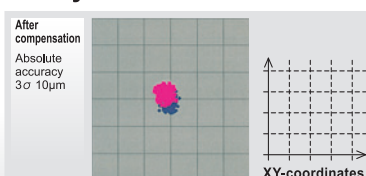
Feature 2 MACS Achieves Absolute Accuracy

Using Yamaha's MACS, the concept of positioning is changed from repeatability to absolute accuracy.



■ MACS : Multiple Accuracy Compensation System

- Axial movement repeatability within 5μm
- Built-in XY axis assembling and material compensation
- Thermal expansion compensation
- User-oriented precision compensation tools prepared



Feature 3 Various Parts Feeding

The range of movement is L400 x W758mm. Yamaha and user prepared devices (a variety of feeders and conveyors) can be easily attached and configured.

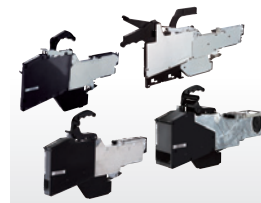
■ Automatic tray supply unit



- Supports component height of 45mm (at 50mm tray pitch)
- Capable of handling up to 15 trays (at 12.5mm tray pitch)

■ Various tape feeders

- Tape size (mm)
8 · 12 · 16 · 24 · 32 · 48 · 56 · 72 · etc.



Feature 4 Support for Functions

■ Image processing library

A dedicated library is capable of easily storing 1000 types of component image data.



■ Customized nozzles

Many types of customized nozzles, which support large and/or odd-shaped components are fully supported.



■ Automatic nozzle station

Capable of handling multiple work pieces.

